



**Rochelle Municipal Utilities**  
**Electric Operations Division**

## Memo

**To: David Plyman**

**From: Joe Orlikowski**

**CC: Sue Messer, Joanne Peters**

**Date: 12/7/2011**

**Re: Engine 7 Blower Motor Repair**

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Engine 7 blower motor failed toward the end of July of this year and we sent it to GE Oil & Gas for inspection and to provide a condition report for the cost of repairs at their facility in Oshkosh, Wisconsin.

We have received the condition report for the cost of repairs and it is \$98,930.00.

We researched the maintenance logs on engine 7 and found that in the early 90's this blower motor had repairs made to it at that time for \$91,000.00.

Engine 7 is rated at 3.5 MW unit and is one of the largest units we have to date. Since we are behind the meter with our generation, we are required to run the engines on the 5 critical peak days in the PJM grid and now we are also required to run the engines for the 5 critical peak days in the ComEd grid. This past season we ran all units 17 times.

In running the units on the critical peak days, it lowers the capacity we have to buy annually in the capacity auction. This year we are buying capacity at 33 MW at \$110 a MW day. If not, we would have had to purchase capacity up to 55 MW.

So if you look at the capacity savings for the year for engine 7, it saved us \$140,525 of which we would have had to purchase in order to cover the capacity of 3.5 MW.

I recommend that we repair the blower motor at a cost of \$98,930.00.

We will need to readjust the maintenance budget to cover the repair costs.

Joseph Orlikowski

RMU Electric Operations Superintendent

